

Roll No.

E-3677

B. Sc. (Part II) EXAMINATION, 2021

COMPUTER SCIENCE

Paper First

(Computer Hardware)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt any *two* parts from each Unit. All questions carry equal marks.

Unit—I

1. (a) Explain the major components of digital computers.
- (b) Explain the dumb, smart and intelligent terminal.
- (c) Describe the computer flow and data flow.

Unit—II

2. (a) Explain the instructions for INTEL 8085.
- (b) Write a note on interrupt and execution.
- (c) Explain in brief instruction cycle.

Unit—III

3. (a) Explain in brief secondary memory.
- (b) Explain the memory controller with diagram.
- (c) Describe the memory management unit.

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Unit—IV

4. (a) Explain serial data transfer scheme.
- (b) Describe the I/O processor.
- (c) Explain the signal processor.

Unit—V

5. (a) Explain stack subroutine in brief.
- (b) What is Multitasking ? Explain in brief.
- (c) Describe the application package.